



# Safety Data Sheet

Issue Date: 17-Jan-2012

Revision Date: 30-March-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Burco TME-S

### Other means of identification

**SDS #** BC-017

**Product Code** 14567

### Recommended use of the chemical and restrictions on use

**Recommended Use** Surfactant.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Burlington Chemical Co., LLC  
8646 West Market Street, Suite 116  
Greensboro, NC 27409

### Emergency Telephone Number

#### **Company Phone Number**

Phone: (336)584-0111

FAX: (336)538-2493

#### **Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear yellow liquid

**Physical State** Liquid

**Odor** Grapefruit-like

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard Statements

Causes serious eye damage

Causes skin irritation



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center or doctor/physician

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash it before reuse

If skin irritation occurs: Get medical advice/attention

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Surfactant Blend	Proprietary	Proprietary

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not apply any medicated agents except on the advice from a physician. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Wash with soap and water. Do not apply any medicated agents except on the advice from a physician. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Do NOT use mouth-to-mouth resuscitation. If symptoms persist, obtain medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Drink 2-3 large glasses of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility.

**Most important symptoms and effects**

<b>Symptoms</b>	Causes skin irritation and serious eye damage. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry powder. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Non-flammable.

**Hazardous Combustion Products** Carbon oxides.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent human exposure to fire, fumes, smoke and products of combustion. Evacuate non-essential personnel.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Wear chemical safety glasses with side shields or chemical goggles and heavy rubber gloves.
<b>Environmental Precautions</b>	Prevent product from entering drains or open waters. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Cover and contain spill with an absorbent material such as pet litter, sand or vermiculite. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on Safe Handling</b>	Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid release to the environment.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from excessive heat. Keep from freezing. Store only in approved containers.
<b>Incompatible Materials</b>	Strong acids. Strong alkalis. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Surfactant Blend	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

### Appropriate engineering controls

**Engineering Controls** Use Mechanical (general) ventilation for storage areas. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Eyewash stations. Showers.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Use approved eye protection to avoid eye contact.

**Skin and Body Protection** Chemical resistant protective gloves.

**Respiratory Protection** Where there is a potential for airborne exposures, wear NIOSH approved respiratory protection.

**General Hygiene Considerations** Avoid contact with eyes, skin and clothing. Avoid inhalation of contaminant. Wash thoroughly after handling. Do not eat, drink, use tobacco products, chew gum or apply cosmetics in area where there is potential for exposure to this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Grapefruit-like
<b>Appearance</b>	Clear yellow liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.75	(1% solution)
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 93 °C / > 200 °F	ASTM D56-98a Tag Closed Cup
Evaporation Rate	Slower than butyl acetate	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	No test data available	
Lower Flammability Limit	No test data available	
Vapor Pressure	<0.1 mm Hg	
Vapor Density	Estimated heavier than air	
Specific Gravity	1.06	(1=Water)
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not available	
Auto-ignition Temperature	No test data available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	5.8 cSt	@ 40°C (104°F)
Explosive Properties	Not determined	

<b>Oxidizing Properties</b>	Not determined
<b>VOC Content (%)</b>	6.0%
<b>Density</b>	8.7 lb/gal

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Excessive heat.

### Incompatible Materials

Strong acids. Strong alkalis. Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

**Eye Contact** Causes serious eye damage.

**Skin Contact** Causes skin irritation.

**Inhalation** Harmful if inhaled.

**Ingestion** Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Surfactant Blend	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Carcinogenic potential is unknown.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Surfactant Blend		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		500: 24 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Chemical Name	Partition Coefficient
Surfactant Blend	-1.76

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

Not regulated

### IATA

Not regulated

### IMDG

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Surfactant Blend	Present	X		Present		Present	X	Present	X	X

#### Legend:

*TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory

*DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List

*EINECS/ELINCS* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

*ENCS* - Japan Existing and New Chemical Substances

*IECSC* - China Inventory of Existing Chemical Substances

*KECL* - Korean Existing and Evaluated Chemical Substances

*PICCS* - Philippines Inventory of Chemicals and Chemical Substances

*AICS* - Australian Inventory of Chemical Substances

### US Federal Regulations

#### CERCLA

Does not apply

### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### SARA 313

Not determined

### US State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Surfactant Blend	X	X	X

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**16. OTHER INFORMATION**

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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	1	0	Not determined

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**Disclaimer**

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**End of Safety Data Sheet**